

AMENDMENTS TO THE CLAIMS

Please **AMEND** the claims as shown below. This listing of claims will replace all prior versions of claims in the application.

1. (Currently Amended) A feeding pump device of volume tube continually metering type ~~comprises~~ comprising:

a volume tube (1) ~~provided with~~ having a metering volume section (11) defined therein;[[,]]

a dragging mechanism (2);[[,]]

~~and an~~ two unilateral inlet ~~valve~~ valves (8) and [[an]] two unilateral outlet ~~valve~~ valves (7).
~~Said volume tube (1) particularly have two unilateral inlet valves (8) and two unilateral outlet valves (7) provided~~ in two ends of inner wall thereof respectively[[. A]] ; and

a piston (9), wherein the piston (9) is connected to the said dragging mechanism (2) is ~~provided in said volume tube (1).~~

2. (Currently Amended) A feeding pump device of volume tube continually metering type of claim 1, wherein a grating [[R]] ruler (4) is ~~also~~ set on [[the]] a moving route of [[the]] a dragging rod of the mentioned piston (9).

3. (Currently Amended) A feeding pump device of volume tube continually metering type of claim [[1]] 2, wherein the mentioned dragging mechanism (2) also includes a servo motor (22),

a belt gear (21), a lead screw (23) and a lead screw nut (25), which is connected in turn which are mechanically connected such that the servo motor (22) turns the belt gear (21) which rotates the lead screw (23), which move the lead screw nut (25).

4. (Currently Amended) A feeding pump device of volume tube continually metering type of claim [[1]] 3, wherein a casing pipe (6) ~~of lead screw~~ connected with the lead screw (23) and with the mentioned piston (9) is set at the outside of mentioned independent of the lead screw (23).

5. (Currently Amended) A feeding pump device of volume tube continually metering type of claim [[1]] 4, wherein the mentioned dragging mechanism (2) is a linear motor.